BEST AVAILABLE COPY

PATENT COOPERATION TREATY

PCT

REC'D	0	1	JUL	2005
WIPO				PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference BCS 03-1019 FOR FURTHE		FOR FURTHER ACTION	ACTION See Form PCT/IPEA/416			
		International filing date (day/mo	nth/year)	Priority date (day/month/year) 31.07.2003		
	national Patent Classification (IPC) or D487/04, A01N43/90	national classification and IPC				
1	icant YER CROPSCIENCE GMBH e	t al.				
1.	This report is the international production of the Authority under Article 35 and transfer in the Article 35 and transfer in	eliminary examination report, e ansmitted to the applicant acco	stablished by this rding to Article 36.	International Preliminary Examining		
2.	This REPORT consists of a tota	of 4 sheets, including this cov	er sheet.			
3.	This report is also accompanied	by ANNEXES, comprising:				
	a. sent to the applicant and to the International Bureau) a total of sheets, as follows:					
	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indications relating to the following items:						
	☑ Box No. I Basis of the o	oinion				
	☐ Box No. II Priority					
	☐ Box No. III Non-establish	ment of opinion with regard to r	novelty, inventive s	step and industrial applicability		
	☐ Box No. IV Lack of unity of	of invention				
		tement under Article 35(2) with itations and explanations suppo	regard to novelty, orting such statem	inventive step or industrial ient		
	☐ Box No. VI Certain docun	nents cited				
	Box No. VII Certain defect					
	☐ Box No. VIII Certain observ	ations on the international app	lication			
Date	e of submission of the demand	Date	of completion of this	s report		
30.	30.04.2005 Name and mailing address of the international		30.06.2005			
Nan			orized Officer	nua Patena		
preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			phone No. +49 89 23	399-		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/008010

_						
	Box	x No. I Basis of the report				
1.	With	ith regard to the language, this report is based on the international application in the language in which it was				
		☐ This report is based on translations from the original language into the following language , which is the language of a translation furnished for the purposes of:				
		 □ international search (under Rules 12.3 and 23.1(b)) □ publication of the international application (under Rule 12.4) □ international preliminary examination (under Rules 55.2 and/or 55.3) 				
2.	With regard to the elements* of the international application, this report is based on (replacement she have been furnished to the receiving Office in response to an invitation under Article 14 are referred to report as "originally filed" and are not annexed to this report):					
	Des	scription, Pages				
	1-10	04	as originally filed			
	Clai	ims, Numbers				
	1-10	0	as originally filed			
		a sequence listing and/or any	related table(s) - see Supplemental Box Relating to Sequence Listing			
3.		The amendments have result	ed in the cancellation of:			
		☐ the description, pages☐ the claims, Nos.				
		☐ the drawings, sheets/figs				
		 □ the sequence listing (specify): □ any table(s) related to sequence listing (specify): 				
1		This report has been establis	hed as if (some of) the amendments annexed to this report and listed below			
	had	d not been made, since they happlemental Box (Rule 70.2(c)).	ave been considered to go beyond the disclosure as filed, as indicated in the			
	•	☐ the description, pages				
		☐ the claims, Nos.☐ the drawings, sheets/figs				
		☐ the sequence listing (spec ☐ any table(s) related to seq	· ·			
	*	Tf item 4 applies, som	ne or all of these sheets may be marked "superseded."			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/008010

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

15.***

1. Statement

Novelty (N) Yes: Claims 1-10

No: Claims

Inventive step (IS) Yes: Claims 1-10

No: Claims

Industrial applicability (IA) Yes: Claims 1-10

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

International application No.

PCT/EP2004/008010

Re Item V.

Relevant prior art is provided by

- (A) DD 83869
- (B) EP 0024931
- (C) DE 3340026
- (D) Chemick zvesti chemical papers 1984, 38(5), 693-698

Novelty

Article 33(2) PCT appears to be satisfied: No herbicidal activity has been disclosed in (A)-(D) for any compound falling within the scope of formula (I) of claim 1 and thus claims 9 and 10. Claim 7 appears to be novel on account of the twelve provisos.

Inventive Step

(A) or (B) could be seen as the closest prior art, both disclosing benzotriazine derivatives which show the desired activity. The current compounds essentially differ from these on account of the annelated five-membered heterocycle. (C) relates to herbicidal compounds which contain a central fused triazinone-pyrrolidine ring system. However, the skilled person had no incentive to combine (A)/(B) with (C) and further modify the resulting tricyclic compounds in exactly such a way as to arrive at the current solution. Consequently, an inventive step in the sense of Article 33(3) PCT may be acknowledged for all compounds which actually solve the given problem.